



2000 Toxics Release Inventory

NORTH DAKOTA

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	2,192,935	11,897,197	14,090,132
Air Emissions	2,147,725	1,139,603	3,287,328
Surface Water Discharges	42,346	83,493	125,839
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	2,864	10,674,101	10,676,965
Off-site Releases (Transfers Off-site to Disposal)*	36,028	10,074,258	10,110,286
Total On- and Off-site Releases	2,228,963	21,971,456	24,200,419
Recycled On-site	6,825	0	6,825
Recycled Off-site	615,563	2,900	618,463
Energy Recovery On-site	0	0	0
Energy Recovery Off-site	17,481	0	17,481
Treated On-site	4,578,438	1,157,280	5,735,718
Treated Off-site**	489,915	1,402	491,317
Quantity Released On- and Off-site***	2,216,515	22,010,783	24,227,297
Total Production-related Waste Managed	7,924,738	23,172,365	31,097,102
Non-production-related Waste Managed	0	0	0

Transfers Off-site for Further Waste Management/Disposal

Recycling	718,088	2,900	720,988
Energy Recovery	41,999	0	41,999
Treatment	4,115	0	4,115
Publicly Owned Treatment Works (POTWs)	467,854	0	467,854
Metals and Metal Compounds*	526	0	526
Non-metal TRI Chemicals**	467,328	0	467,328
Other Off-site Transfers****	0	0	0
Transfers Off-site to Disposal (not including metals to POTWs)	35,510	10,074,258	10,109,768
Total Transfers Off-site for Further Waste Management/Disposal	1,267,566	10,077,158	11,344,724

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

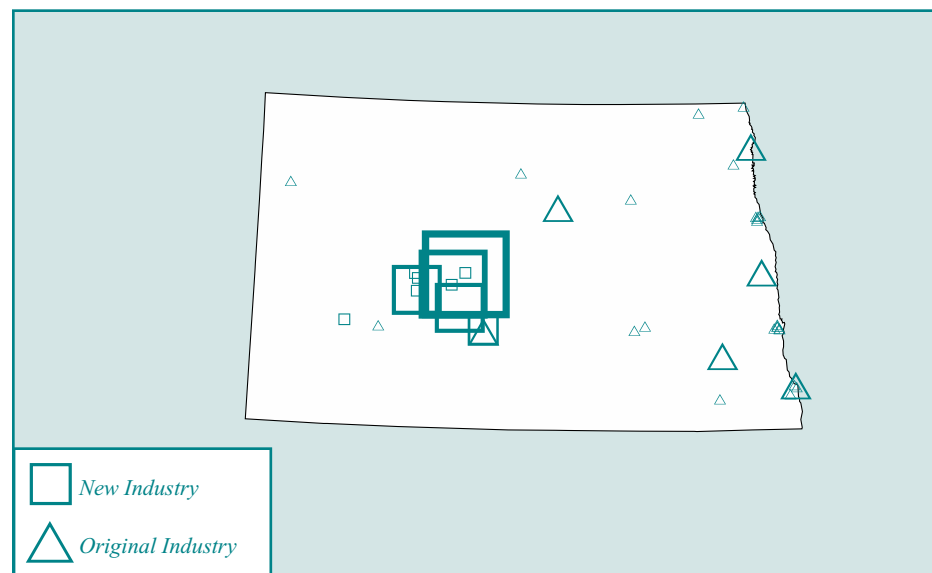
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Support Service (TRI-US):
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Fax: (202) 401-2347
tri.us@epa.gov



The largest marker in the state map represents the largest facility for on-site releases in the state of North Dakota. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	640,919
Square Miles	68,994
Total Facilities	44
Total Forms	216
Form As	35

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	46	28	40
Pounds	2,228,963	21,971,456	24,200,419
National Rank for Total On-site Releases**			
Rank	46	32	42
Pounds	2,192,935	11,897,197	14,090,132
National Rank for Total Releases within State***			
Rank	46	29	40
Pounds	2,224,301	21,970,234	24,194,535
National Rank for Production-related Waste Managed			
Rank	49	35	47
Pounds	7,924,738	23,172,365	31,097,102

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



2000 Toxics Release Inventory

NORTH DAKOTA

On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Barium compounds	42,678	29,518	0	7,628,002	7,851,103	15,551,301	180	7,851,103	0
—	Manganese compounds	15,391	19,703	0	1,761,304	1,268,128	3,064,526	0	1,268,128	0
7664-41-7	Ammonia	857,396	9,127	0	140,644	150	1,007,317	0	0	150
110-54-3	n-Hexane	566,313	0	0	0	0	566,313	0	0	0
7664-39-3	Hydrogen fluoride	417,226	0	0	0	0	417,226	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Mercury compounds	2,206.50	0.10	0.00	241.30	364.30	2,812.20	0.00	355.00	9.30
—	Polycyclic aromatic compounds	274.28	0.00	0.00	15.90	7.67	297.85	0.00	7.67	0.00
7439-97-6	Mercury	262.60	0.00	0.00	0.00	0.00	262.60	0.00	0.00	0.00
191-24-2	Benzo(g,h,i)perylene	0.85	0.00	0.00	0.80	0.11	1.76	0.00	0.11	0.00
—	Dioxin and dioxin-like compounds	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	7.683	0.000	0.000	0.790	0.000	8.473	0.000	0.000	0.000
1582-09-8	Trifluralin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40487-42-1	Pendimethalin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
118-74-1	Hexachlorobenzene	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
1336-36-3	Polychlorinated biphenyls (PCBs)	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



2000 Toxics Release Inventory

NORTH DAKOTA

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Great River Energy Coal Creek Station, Underwood, Mc Lean	313,885	33,879	0	0	0	5,851,546	6,199,310	602,709	0
Leland Olds Station, Stanton, Mercer	124,527	1,739	0	0	0	2,314,942	2,441,208	807,366	0
Otter Tail Power Co. Coyote Station, Beulah, Mercer	33,386	45	0	0	0	1,380,386	1,413,817	265,889	0
Milton R. Young Station, Center, Oliver	203,984	0	0	0	0	799,302	1,003,286	2,826,796	0
R. M. Heskett Station, Mandan, Morton	249,360	5	0	0	0	188,031	437,397	13,302	0
American Crystal Sugar Co., Hillsboro, Traill	415,650	250	0	0	0	0	415,900	0	0
BP Mandan Refy., Mandan, Morton	378,195	386	0	0	0	2,114	380,695	0	814
ADM Processing, Velva, Mc Henry	265,083	0	0	0	0	0	265,083	0	0
ADM Northern Sun Div., Enderlin, Ransom	259,330	0	0	0	0	0	259,330	0	0
Minn-Dak Farmers Co-op., Wahpeton, Richland	220,019	34,664	0	0	0	0	254,683	0	0

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Great River Energy Coal Creek Station, Underwood, Mc Lean	835.20	0.00	0.00	0.00	0.00	151.70	986.90	3.00	0.00
Antelope Valley Station, Beulah, Mercer	460.00	0.00	0.00	0.00	0.00	0.00	460.00	250.00	0.00
Milton R. Young Station, Center, Oliver	402.12	0.00	0.00	0.00	0.00	2.00	404.12	4.00	0.00
Otter Tail Power Co. Coyote Station, Beulah, Mercer	281.20	0.10	0.00	0.00	0.00	76.00	357.30	3.70	0.00
Knife River Corp. Bealah Mine, Beulah, Mercer	250.00	0.00	0.00	0.00	0.00	0.00	250.00	0.00	0.00
BP Mandan Refy., Mandan, Morton	222.40	0.00	0.00	0.00	0.00	0.90	223.30	0.00	9.30
Leland Olds Station, Stanton, Mercer	160.00	0.00	0.00	0.00	0.00	2.00	162.00	66.00	0.00
Great River Energy Stanton Station, Stanton, Mercer	94.31	0.00	0.00	0.00	0.00	0.00	94.31	32.57	0.00
R. M. Heskett Station, Mandan, Morton	26.40	0.00	0.00	0.00	0.00	25.40	51.80	2.20	0.00
Minn-Dak Farmers Co-op., Wahpeton, Richland	12.60	0.00	0.00	0.00	0.00	0.00	12.60	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



2000 Toxics Release Inventory

NORTH DAKOTA

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Great River Energy Coal Creek Station, Underwood, Mc Lean	0	0	0	0	195,800	0	6,785,233	6,981,033	0
Antelope Valley Station, Beulah, Mercer	0	0	0	0	0	0	4,952,710	4,952,710	0
Milton R. Young Station, Center, Oliver	0	0	0	0	0	0	3,828,407	3,828,407	0
Leland Olds Station, Stanton, Mercer	0	0	0	0	0	0	3,232,230	3,232,230	0
Otter Tail Power Co. Coyote Station, Beulah, Mercer	0	0	0	0	772,480	0	1,777,961	2,550,441	0
Great River Energy Stanton Station, Stanton, Mercer	0	0	0	0	0	0	845,502	845,502	0
R. M. Heskett Station, Mandan, Morton	0	2,900	0	0	189,000	0	448,133	640,033	0
American Crystal Sugar Co., Hillsboro, Traill	0	0	0	0	415,400	0	415,400	830,800	0
BP Mandan Refy., Mandan, Morton	6,310	1,184	0	0	1,504,500	223	379,976	1,892,194	0
ADM Processing, Velva, Mc Henry	0	0	0	0	0	0	265,083	265,083	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Great River Energy Coal Creek Station, Underwood, Mc Lean	0	0	0	0	0	0	995	995	0
Antelope Valley Station, Beulah, Mercer	0	0	0	0	0	0	710	710	0
Milton R. Young Station, Center, Oliver	0	0	0	0	0	0	407	407	0
Otter Tail Power Co. Coyote Station, Beulah, Mercer	0	0	0	0	62,480	0	361	62,841	0
Leland Olds Station, Stanton, Mercer	0	0	0	0	0	0	230	230	0
BP Mandan Refy., Mandan, Morton	0	2	0	0	0	0	230	233	0
Great River Energy Stanton Station, Stanton, Mercer	0	0	0	0	0	0	127	127	0
R. M. Heskett Station, Mandan, Morton	0	0	0	0	0	0	54	54	0
Minn-Dak Farmers Co-op., Wahpeton, Richland	0	0	0	0	0	0	13	13	0
Koch Materials Co. Fargo, West Fargo, Cass	0	0	0	0	0	0	1	1	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.